

Little Chute Locks and Dam, Storage Building at Combined Locks HAER No.
Approximately 10 feet west of the garage
Little Chute
Outagamie County
Wisconsin

WI-88-I

HAER
WIS
44-LITCH,
2 I-

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

**LITTLE CHUTE LOCKS AND DAM, STORAGE BUILDING AT
COMBINED LOCKS**

HAER
WIS
44-LITCH,
2I-

HAER NO. WI-88-I

Location: The Storage Building at Combined Locks is located just west of the Combined Locks garage in the SE1/4, Section 22, T21N, R18E, Civil Town of Vandebroek, Outagamie County, Wisconsin.

UTM: 16/396740/4903110; USGS Quadrangle: Kaukauna, Wisconsin 7.5' series

Date of Construction: 1980?

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Storage of paint and petroleum products.

Significance: The storage shed functions as part of the daily operation of the Little Chute Locks and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

STORAGE BUILDING

A 5 foot 4 inch by 5 foot 4 inch steel storage shed is located west of the Combined Locks garage. Constructed in the 1980s, the storage shed is a pre-fabricated structure manufactured by Armco Building Systems of Cincinnati, Ohio. Modular steelox wall panels are bolted onto a poured concrete slab foundation to support a steel paneled flat roof.¹ An entrance is located on the south side of the storage shed, and a single, louvered vent is centered on the opposite side.²

ENDNOTES

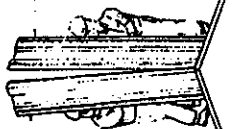
- 1 Armco Steel Buildings, sheets ET-115, ET-116, ET-118, ET-119.
- 2 Ibid., sheets EW-109, E-159.

CORNER ERECTION

Starting at a corner assemble a corner panel and typical panel by bolting the intersecting ribs to the base channel with bolt size and nut S1183. Plumb the corner and wrench tighten nut and bolt. Mark door and window locations so that short panels can be installed.

Typical Steel Plate Panel	8'-0"	10'-0"
54490	54492	54660

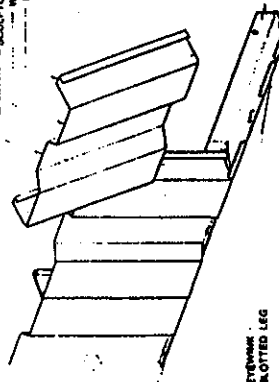
CORNER PANEL	8'-0"	10'-0"
54660	54660	54660



BASE CHANNEL

PANELS OVER SILLING DOORS	
ALL	8' 10'
SIZES	54498 54504

SCAFFOLD WEB RIB

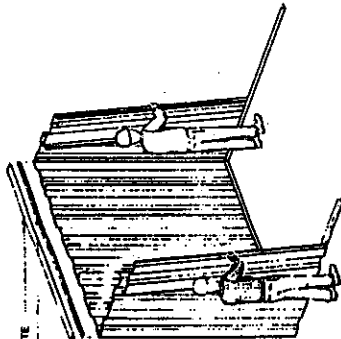


SCAFFOLD WEB RIB

WALL ERECTION

Erect and wall panels by placing the bottom of panel on base channel with panel ribs in base channel slots and panel web outside of silled legs. Panel sculpture must be inside of base channel eye-bolt. Interlock male rib with the female rib of the preceding panel and bolt intersecting ribs to the base channel.

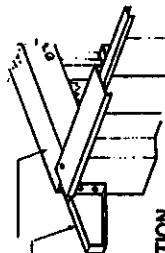
ENDWALL PLATE



WALL CAP AND PLATE SCHEDULE					
BLDG. WIDTH	5'-4"	6'-0"	8'-0"	12'-0"	
ENDWALL CAP	50584	50585	50584	50588	
REAR OR ENDWALL PLATE	60610	60611	60612	60613	
FRONT PLATE	60531	60532	60533	60534	

WALL CAP & PLATE ERECTION

Place wall cap and plate on endwall panels. Plumb and square panels, but do not wrench tighten plate bolts. Erect the side wall with wall from outside the building and the other side wall inside the building. Erect the endwall panels last. The side wall panels should be 1" above wall panels and rear plate should rest on wall panels. Erect second end wall and wall cap. Position and wall plates flush with front and rear plates, then wrench tighten all plate bolts. See door and window instructions for installation. For 9'-4" long building field cut endwall plate and wall cap.



BRACKET ERECTION

Attach and wall brackets (60614 or 60615) flush with top of endwall plates using two 1/2" x 1/2" THSS at each corner. Field drill using 1/4" drill.

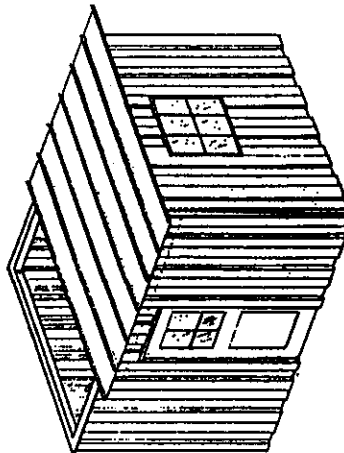
ROOF ERECTION

* If ceiling is to be installed, it must be erected at the same time as the roof...see std. ceiling detail.

Check building walls for plumb and square. Apply a continuous strip of tape sealant on top of plates. Set the first roof panel with the female rib 8" outside of endwall and with 8" of overhang on each sidewall. Field drill roof panel to match holes in plate and bolt with 1/4" x 3/4" bolts with weather seal washer.

Continue setting roof panels bolting only to the rear plate and keeping ends of panels even. Move rear wall and not the roof panels to maintain the 8" overhang. Again check the walls for plumb and square.

Field Drill and bolt the roof panels to the front plate and endwall plates. Place fascia over main rib of the last roof panel. * (Note: If ceiling is to be installed, do not erect last roof panel at this time...see std. ceiling details.) If eilermeta outlin-fascia is used, see ET-121. Attach eave finishing 60535 around building with #10 x 7/8" SPS 16" O.C. Field cut ends at corners for closing tab.



ROOF PANELS					
BLDG. WIDTH	5'-4"	6'-0"	8'-0"	12'-0"	
A 1040	50578	54648	54649	50065	
B 1040	50578	54648	54649	50067	
C 1040	50578	54648	54649	50067	
D 1040	50578	54648	54649	50067	
E 1040	50578	54648	54649	50067	
F 1040	50578	54648	54649	50067	

ROOF AND WALL ERECTION TL-1 BUILDING

ET-119